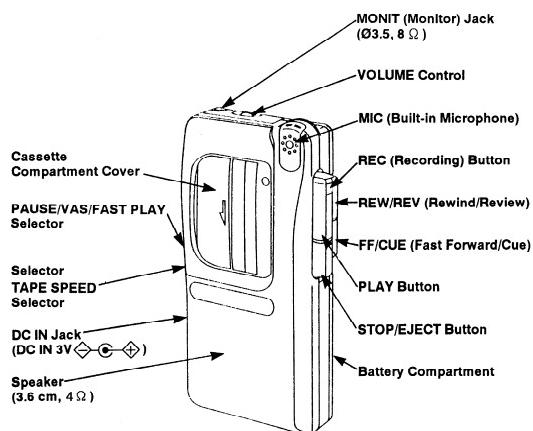


ORDER NO.AD0004095C1
J1

Service Manual

Microcassette
RN-305
MZ20 Mechanism Series
Colour
(S).....Silver
Area
(P).....U.S.A.



SPECIFICATIONS

Specification

Power requirement:	Battery;3V[TWO "AA"size, (R6/LR6) batteries] / AC;with optional Panasonic AC adaptor RP-AC31
Speaker:	3.6cm (1-13/32in.)
Tape speed:	1.2cm/s (15/32ips) / 2.4cm/s (15/16ips)
Program time at "1.2" speed:	1 hour on one side / 2 hours on both sides
Program time at "2.4" speed:	30 minutes on one side / 1 hour on both sides / (with RT-60MC microcassette tape)
Track system:	2 track monaural recording and playback
Input:	DC in 3V
	
Output:	MONITOR 8 Ω 3.5 diameter
Dimensions (WxHxD):	58x117x23.7mm / (2-5/16x4-5/8x15/16in.)
Weight:	130g (4.6oz.) (without batteries)

**© 2000 Matsushita Electric Industrial Co., Ltd. All rights reserved.
Unauthorized copying and distribution is a violation of law.**

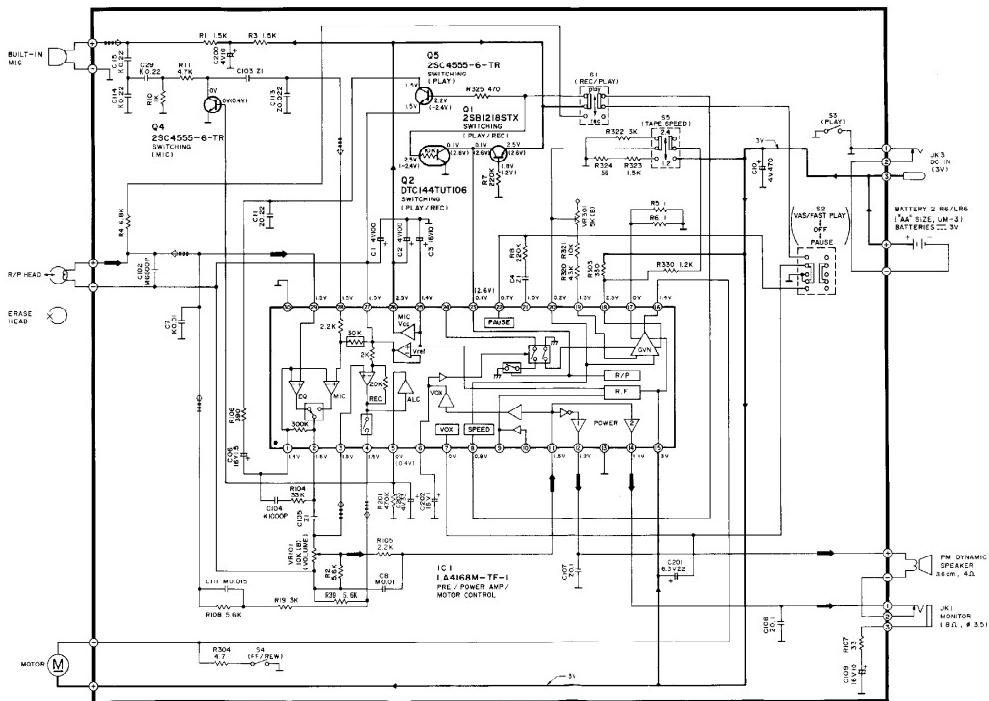
⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

Note: / Weight and dimensions shown are approximate. / Design and specifications are subject to change without notice.

1. Schematic Diagram



Notes:

- Notes:**

 - **S1:** Record/Playback switch in "PLAYBACK" position.
 - **S2:** VAS/Fast Play/Pause switch in "OFF" position.
 - **S3:** Playback switch in "OFF" position.
 - **S4:** FF/Rew switch in "OFF" position.
 - **S5:** Tape speed select switch in "2.4 cm/s" position.
(1.2...1.2 cm/s, 2.4...2.4 cm/s)
 - **VR101:** Volume control/VAS LEVEL VR.
 - **VR301:** Tape speed adjustment VR. (2.4 cm/s)

- DC voltage measurement are taken with electronic voltmeter from negative terminal of battery.
- No mark Playback
- (-) Record
- Battery current: No signal 121 mA
Playback (VR max) 330 mA
Record 118 mA

- This schematic diagram may be modified at any time with the development of new technology.

→ : Playback Signal Line → : +B Line
□□□□△ : Record Signal Line

2. Replacement Parts

Part No.	Part Name
RKK0067-S	Battery Cover
RQT5405-P	O/I Book

■ Battery Service Life / UN-3 ("AA" size) Batteries / Approx. 5.53 hours of recording (EIAJ) / Approx. 3.27 hours of playback (EIAJ) with volume set at 3/4 position. / / The above battery service life is measured according to the conditions set forth by EIAJ (Electronic Industries Association of Japan). / As the battery service life varies with the method of operation and environmental conditions, use these values as reference.

K000400000YH